

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(F6C6FF) Hex(FCEDFF) Hex(C6D0FF) Hex(7E7580) Hex(000000) Hex(808080)

	Hex(F6C6FF)	Hex(FCEDFF)	Hex(C6D0FF)	Hex(7E7580)	Hex(000000)	Hex(808080)
Hex(F6C6FF)		Ratio: 1.29 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 14.44 Passed ⁶	Ratio: 2.72 Failed ⁵
Hex(FCEDFF)	Ratio: 1.29 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 18.70 Passed ⁶	Ratio: 3.52 AA 18pt ²
Hex(C6D0FF)	Ratio: 1.04 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 2.92 Failed ⁵	Ratio: 13.87 Passed ⁶	Ratio: 2.61 Failed ⁵
Hex(7E7580)	Ratio: 3.04 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 2.92 Failed ⁵		Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(000000)	Ratio: 14.44 Passed ⁶	Ratio: 18.70 Passed ⁶	Ratio: 13.87 Passed ⁶	Ratio: 4.74 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.72 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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